

### Abstract

The aqueous acidic solution for electrolytically depositing high polish, decorative bright, smooth and level copper coatings on large area metal or plastic parts contains a) at least one oxygen-containing, high molecular additive and b) at least one water soluble sulfur compound, wherein the solution additionally contains c) at least one aromatic halogen derivative having the general formula (I), wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$  and  $R_6$  are each independently radicals selected from the group comprising hydrogen, aldehyde, acetyl, hydroxyls, hydroxyalkyl having 1-4 carbon atoms, alkyl having 1-4 carbon atoms and halogen, with the proviso that the number of residues  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$  and  $R_6$  which are halogen ranges from 1 to 5.